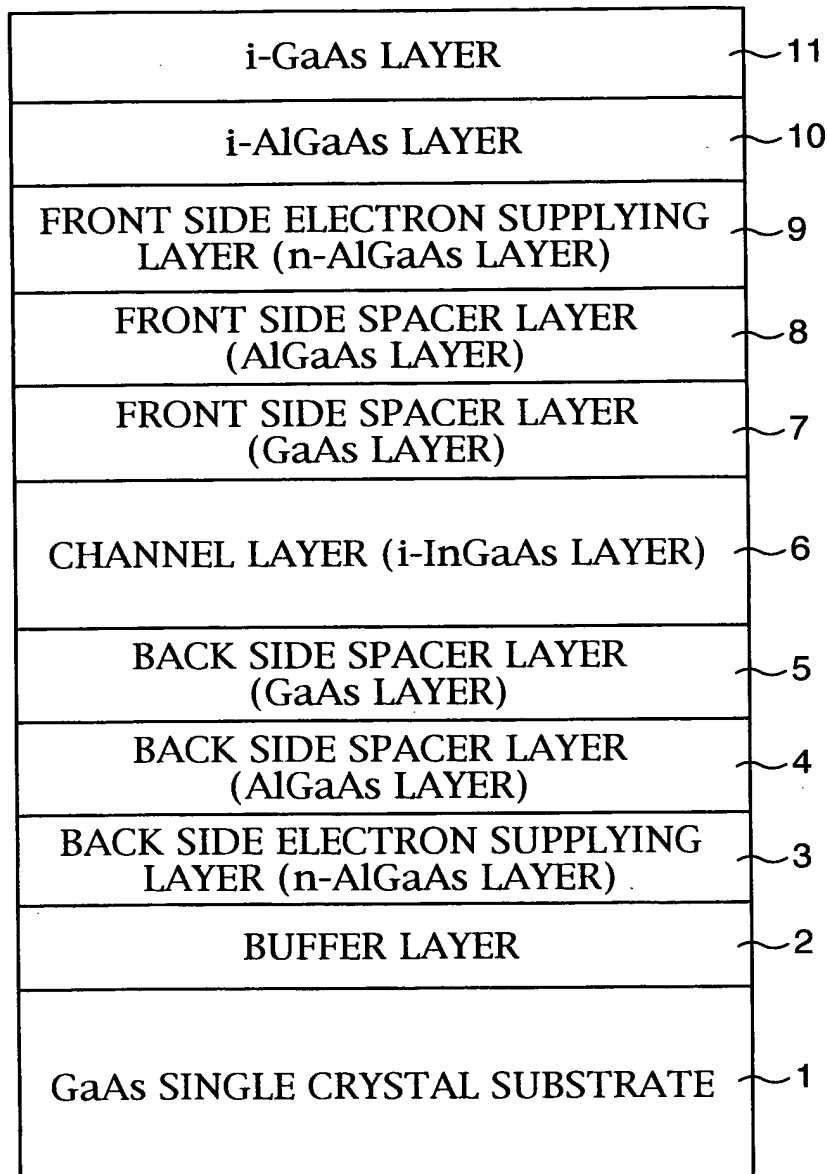


10/540514

1/6

FIG. 1



10/540514

2/6

FIG. 2

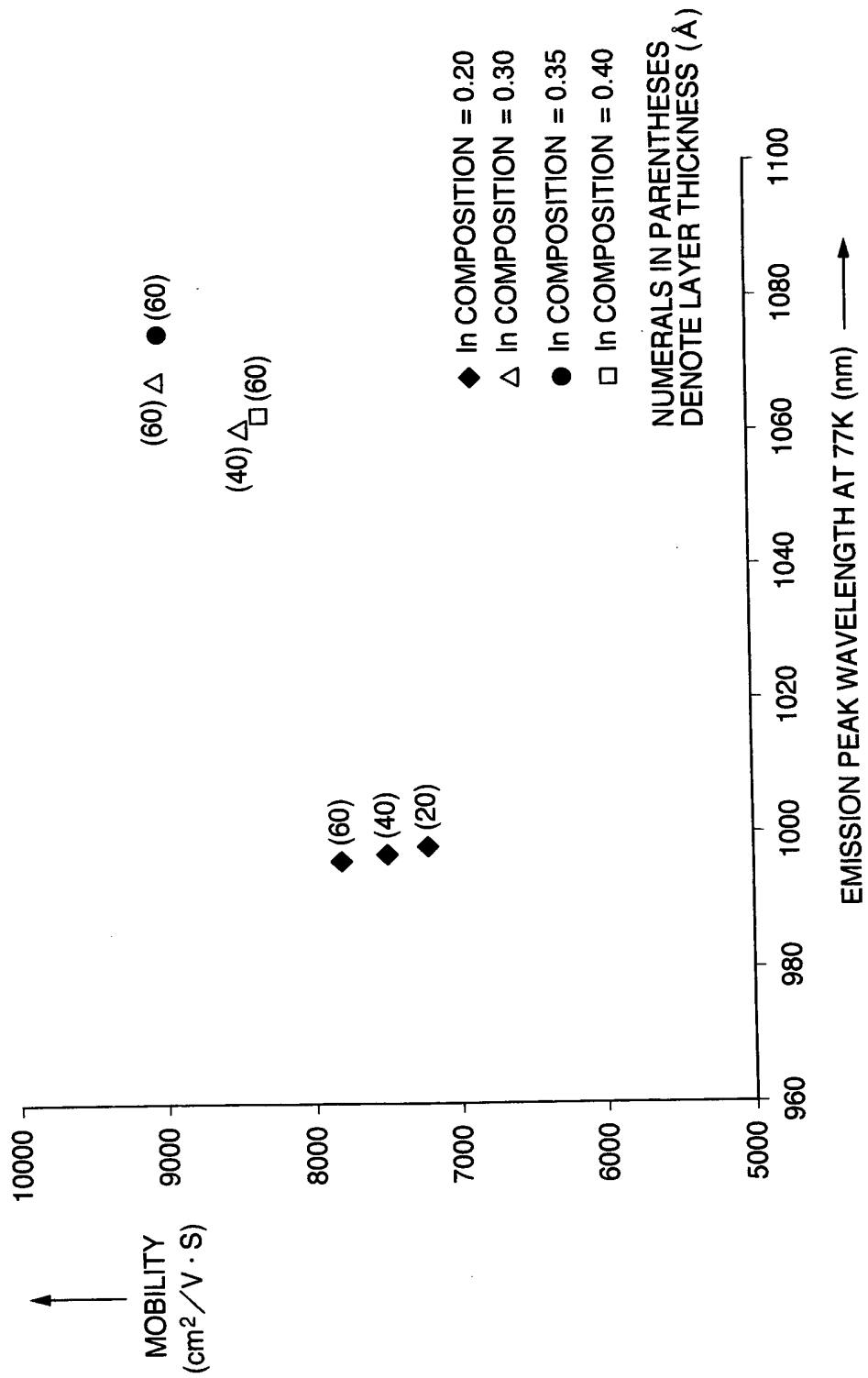


FIG. 3

i- GaAs 20nm	~ 24
i- Al _{0.22} Ga _{0.78} As 3nm	~ 23
n- Al _{0.24} Ga _{0.76} As 10nm 3E18/cm ³	~ 22
i- Al _{0.24} Ga _{0.76} As 3nm	~ 21
i-GaAs 6nm	~ 20
i- In _{0.30} Ga _{0.70} As 7.5nm	~ 19
i-GaAs 6nm	~ 18
i- Al _{0.24} Ga _{0.76} As 3nm	~ 17
n- Al _{0.24} Ga _{0.76} As 4nm 3E18/cm ³	~ 16
i-Al _{0.25} Ga _{0.75} As 200nm	~ 15
i-GaAs 250nm	~ 14
i-Al _{0.25} Ga _{0.75} As 250nm	~ 13
i-GaAs 200nm	~ 12
GaAs SUBSTRATE	~ 11

FIG. 4

i- GaAs 20nm	24
i- Al _{0.22} Ga _{0.78} As 3nm	23
n- Al _{0.24} Ga _{0.76} As 10nm 3E18/cm ³	22
i- Al _{0.24} Ga _{0.76} As 3nm	21
i-GaAs 6nm	20
i- In _{0.85} Ga _{0.65} As 5.5nm	31
i-GaAs 6nm	18
i- Al _{0.24} Ga _{0.76} As 3nm	17
n- Al _{0.24} Ga _{0.76} As 4nm 3E18/cm ³	16
i-Al _{0.25} Ga _{0.75} As 200nm	15
i-GaAs 250nm	14
i-Al _{0.25} Ga _{0.75} As 250nm	13
i-GaAs 200nm	12
GaAs SUBSTRATE	11

FIG. 5

i- GaAs 20nm	~ 24
i- Al _{0.22} Ga _{0.78} As 7nm	~ 23A
n- Al _{0.24} Ga _{0.76} As 10nm 3E18/cm ³	~ 22
i- Al _{0.24} Ga _{0.76} As 3nm	~ 21
i-GaAs 2nm	~ 20A
i- In _{0.20} Ga _{0.80} As 13.5nm	~ 19A
i-GaAs 2nm	~ 18A
i- Al _{0.24} Ga _{0.76} As 3nm	~ 17
n- Al _{0.24} Ga _{0.76} As 4nm 3E18/cm ³	~ 16
i-Al _{0.25} Ga _{0.75} As 200nm	~ 15
i-GaAs 250nm	~ 14
i-Al _{0.25} Ga _{0.75} As 250nm	~ 13
i-GaAs 200nm	~ 12
GaAs SUBSTRATE	~ 11

FIG. 6

i- GaAs 20nm	24
i- Al _{0.22} Ga _{0.78} As 7nm	23A
n- Al _{0.24} Ga _{0.76} As 10nm 3E18/cm ³	22
i- Al _{0.24} Ga _{0.76} As 3nm	21
i-GaAs 6nm	20
i- In _{0.20} Ga _{0.80} As 13.5nm	31A
i-GaAs 6nm	18
i- Al _{0.24} Ga _{0.76} As 3nm	17
n- Al _{0.24} Ga _{0.76} As 4nm 3E18/cm ³	16
i-Al _{0.25} Ga _{0.75} As 200nm	15
i-GaAs 250nm	14
i-Al _{0.25} Ga _{0.75} As 250nm	13
i-GaAs 200nm	12
GaAs SUBSTRATE	11